

Appl. No. 10/821,052
Amdt. Date: February 6, 2008
Reply to Office action: August 6, 2007

Claim 1 (Currently Amended) A method for accurately conveying wireless connection availability through a tower in a defined area comprising:

- determining a maximum call connection capacity of the tower;
- establishing multiple threshold calling activity levels of the tower, the threshold levels beginning with an initial threshold level at a predetermine call connection count and having one or more threshold levels up to the maximum call connection capacity;
- monitoring calling activity through the tower by maintaining a constant count of wireless devices that are connected through the tower;
- detecting when the calling activity has exceeded a threshold calling activity level of said multiple threshold calling activity levels for the tower;
- identifying the threshold calling activity level that is closest to the detected calling activity that has been exceeded by the detected calling activity; and
- broadcasting a connection availability message based on detected calling activity resulting from a maintained constant count of wireless devices connected through the tower, the broadcasted connection availability message reflecting the closest calling activity threshold level closest to the detected calling activity that has been exceeded by the detected calling activity.

Claim 2 (Canceled)

Claim 3 (Canceled)

Claim 4 (Currently Amended) The method as described in claim 1 further comprising after said broadcasting of a connection availability message, detecting, receiving and displaying the broadcasted message at a wireless device in the area of the tower.

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Claim 5 (Currently Amended) The method as described in claim 4 wherein the display of the broadcasted message is a periodic event on the wireless device based on detected calling activity at the tower, the broadcasted message indicating the calling availability through that tower.

Claim 6 (Canceled)

Claim 7 (Canceled)

Claim 8 (Canceled)

Claim 9 (Canceled)

Claim 10 (Currently Amended) A system and system for accurately conveying wireless connection availability comprising:

- a telephone tower for use in connecting wireless devices;

- a software routine encoded in a computer readable medium within the telephone tower, said software routine capable of:

- maintaining a constant count of devices that are connected through the tower;

- detecting when the maintained constant count of wireless devices connected via the tower exceeds a predetermined threshold level;

- identifying the threshold calling activity level that is the threshold calling activity level closest to the detected calling activity that has been exceeded by the detected calling activity;

- broadcasting a connection availability message based on calling activity resulting from a maintained constant count of wireless devices connected through the tower, the broadcasted connection availability